

SEQUENCE LISTING

(1) GENERAL INFORMATION:



- (i) APPLICANT: Janssens, Stefans
Bloch, Kenneth D.
Collen, Désiré
- (ii) TITLE OF INVENTION: Method of Inducing Vasodilation and
Treating Pulmonary Hypertension Using Adenoviral-Mediated
Transfer of the Nitric Oxide Synthase Gene
- (iii) NUMBER OF SEQUENCES: 5
- (iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
(B) STREET: 1100 New York Ave., N.W., Suite 600
(C) CITY: Washington
(D) STATE: D.C.
(E) COUNTRY: U.S.A.
(F) ZIP: 20005
- (v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30
- (vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER: US 08/896,053
(B) FILING DATE: 17-JUL-1997
(C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: US 60/021,912
(B) FILING DATE: 17-JUL-1996
- (viii) ATTORNEY/AGENT INFORMATION:
(A) NAME: Millonig, Robert C.
(B) REGISTRATION NUMBER: 34,395
(C) REFERENCE/DOCKET NUMBER: 0609.4280001/JAG/RCM
- (ix) TELECOMMUNICATION INFORMATION:
(A) TELEPHONE: (202) 371-2600
(B) TELEFAX: (202) 371-2540

(2) INFORMATION FOR SEQ ID NO:1:

- (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 27 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

CGGCGATGTT ACCATGGCAA CCAACGT

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(2) INFORMATION FOR SEQ ID NO:2:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 29 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

CGGATCCCGG CTCTCAGGGG CTGTTGGTG

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(2) INFORMATION FOR SEQ ID NO:3:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 27 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

CGGCGATGTT ACCATGGCAA CCAACGT

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(2) INFORMATION FOR SEQ ID NO:4:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 20 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

CTCTGTAGGT AGTTTGTCCA

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(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 4099 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

GAATTCACCACTCTGCTGCCT GCTCCAGCAG ACGGACGCAC AGTAACATGG GCAACTTGAA 60
GAGCGTGGCC CAGGAGCCTG GGCCACCCTG CGGCCTGGGG CTGGGGCTGG GCCTTGGGCT 120
GTGCGGCAAG CAGGGCCCAG CCACCCCGGC CCCTGAGCCC AGCCGGGCCC CAGCATCCCT 180
ACTCCACCA GCGCCAGAAC ACAGCCCCC GAGCTCCCCG CTAACCCAGC CCCAGAGGG 240
GCCCAAGTTC CCTCGTGTGA AGAACTGGGA GGTGGGGAGC ATCACCTATG ACACCCTCAG 300
CGCCCAGGCG CAGCAGGATG GGCCCTGCAC CCCAAGACGC TGCCTGGGCT CCCTGGTATT 360
TCCACGAAA CTACAGGGCC GGCCCTCCCC CGGCCCCCGG GCCCCTGAGC AGCTGCTGAG 420
TCAGGCCCCG GACTTCATCA ACCAGTACTA CAGCTCCATT AAGAGGAGCG GCTCCCAGGC 480
CCACGAACAG CGGCTTCAAG AGGTGGAAGC CGAGGTGGCA GCCACAGGCA CCTACCAGCT 540
TAGGGAGAGC GAGCTGGTGT TCGGGGCTAA GCAGGCCTGG CGCAACGCTC CCCGCTGCGT 600
GGGCCGGATC CAGTGGGGGA AGCTGCAGGT GTTCGATGCC CGGGACTGCA GGTCTGCACA 660
GGAAATGTTC ACCTACATCT GCAACCACAT CAAGTATGCC ACCAACCGGG GCAACCTTCG 720
CTCGGCCATC ACAGTGTTCC CGCAGCGCTG CCCTGGCCGA GGAGACTTCC GAATCTGGAA 780
CAGCCAGCTG GTGCGCTACG CGGGCTACCG GCAGCAGGAC GGCTCTGTGC GGGGGGACCC 840
AGCCAACGTG GAGATCACCG AGCTCTGCAT TCAGCACGGC TGGACCCAG GAAACGGTCG 900
CTTCGACGTG CTGCCCCCTG TGCTGCAGGC CCCAGATGAG CCCCCAGAAC TCTTCCTTCT 960
GCCCCCGAG CTGGTCCTTG AGGTGCCCCCT GGAGCACCCC ACGCTGGAGT GGTTCGAGC 1020
CCTGGGCCTG CGCTGGTACG CCCTCCCGGC AGTGTCCAAC ATGCTGCTGG AAATTGGGGG 1080

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CCTGGAGTTC CCCGCAGCCC CCTTCAGTGG CTGGTACATG AGCACTGAGA TCGGCACGAG	1140
GAACCTGTGT GACCCTCACC GCTACAACAT CCTGGAGGAT GTGGCTGTCT GCATGGACCT	1200
GGATACCCGG ACCACCTCGT CCCTGTGGAA AGACAAGGCA GCAGTGGAAA TCAACGTGGC	1260
CGTGCTGCAC AGTTACCAGC TAGCCAAAGT CACCATCGTG GACCACCACG CCGCCACGGC	1320
CTCTTTCATG AAGCACCTGG AGAATGAGCA GAAGGCCAGG GGGGGCTGCC CTGCAGACTG	1380
GGCCTGGATC GTGCCCCCA TCTCGGGCAG CCTCACTCCT GTTTTCCATC AGGAGATGGT	1440
CAACTATTTT CTGTCCCCGG CCTTCCGCTA CCAGCCAGAC CCCTGGAAGG GGAGTGCCGC	1500
CAAGGGCACC GGCATCACCA GGAAGAAGAC CTTTAAAGAA GTGGCCAACG CCGTGAAGAT	1560
CTCCGCCTCG CTCATGGGCA CGGTGATGGC GAAGCGAGTG AAGGCGACAA TCCTGTATGG	1620
CTCCGAGACC GGCCGGGCCC AGAGCTACGC ACAGCAGCTG GGGAGACTCT TCCGGAAGGC	1680
TTTTGATCCC CGGGTCCTGT GTATGGATGA GTATGACGTG GTGTCCCTCG AACACGAGAC	1740
GCTGGTGCTG GTGGTAACCA GCACATTTGG GAATGGGGAT CCCCCGAGA ATGGAGAGAG	1800
CTTTGCAGCT GCCCTGATGG AGATGTCCGG CCCCTACAAC AGCTCCCCTC GGCCGGAACA	1860
GCACAAGAGT TATAAGATCC GCTTCAACAG CATCTCCTGC TCAGACCCAC TGGTGTCCCTC	1920
TTGGCGGCGG AAGAGGAAGG AGTCCAGTAA CACAGACAGT GCAGGGGCCC TGGGCACCCCT	1980
CAGGTTCTGT GTGTTGCGGC TCGGCTCCCG GGCATACCCC CACTTCTGCG CCTTTGCTCG	2040
TGCCGTGGAC ACACGGCTGG AGGAACTGGG CGGGGAGCGG CTGCTGCAGC TGGGCCAGGG	2100
CGACGAGCTG TGCGGCCAGG AGGAGGCCTT CCGAGGCTGG GCCCAGGCTG CCTTCCAGGC	2160
CGCCTGTGAG ACCTTCTGTG TGGGAGAGGA TGCCAAGGCC GCCGCCCAG ACATCTTCAG	2220
CCCCAAACGG AGCTGGAAGC GCCAGAGGTA CCGGCTGAGC GCCCAGGCCG AGGGCCTGCA	2280
GTTGCTGCCA GGTCTGATCC ACGTGACAG GCGGAAGATG TTCCAGGCTA CAATCCGCTC	2340
AGTGGA AAAAC CTGCAAAGCA GCAAGTCCAC GAGGGCCACC ATCCTGGTGC GCCTGGACAC	2400
CGGAGGCCAG GAGGGGCTGC AGTACCAGCC GGGGGACCAC ATAGGTGTCT GCCCGCCCAA	2460
CCGGCCCCGC CTTGTGGAGG CGCTGCTGAG CCGCGTGGAG GACCCGCCGG CGCCCACTGA	2520
GCCCGTGCCA GTAGAGCAGC TGGAGAAGGG CAGCCCTGGT GGCCCTCCCC CCGGCTGGGT	2580
GCGGGACCCC CGGCTGCCCC CGTGACGCT GCGCCAGGCT CTCACCTTCT TCCTGGACAT	2640
CACCTCCCCA CCCAGCCCTC AGCTCTTGCG GCTGCTCAGC ACCTTGGCAG AAGAGCCCAG	2700
GGAACAGCAG GAGCTGGAGG CCCTCAGCCA GGATCCCCGA CGCTACGAGG AGTGGAAGTG	2760

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GTTCCGCTGC	CCCACGCTGC	TGGAGGTGCT	GGAGCAGTTC	CCGTCGGTGG	CGCTGCCTGC	2820
CCCACTGCTC	CTCACCCAGC	TGCCTCTGCT	CCAGCCCCGG	TACTACTCAG	TCAGCTCGGC	2880
ACCCAGCACC	CACCCAGGAG	AGATCCACCT	CACTGTAGCT	GTGCTGGCAT	ACAGGACTCA	2940
GGATGGGCTG	GGCCCCCTGC	ACTATGGAGT	CTGCTCCACG	TGGCTAAGCC	AGCTCAAGCC	3000
CGGAGACCTT	GTGCCCTGCT	TCATCCGGGG	GGCTCCCTCC	TTCCGGCTGC	CACCCGATCC	3060
CAGCTTGCCC	TGCATCCTGG	TGGGTCCAGG	CACTGGCATT	GCCCCCTTCC	GGGGATTCTG	3120
GCAGGAGCGG	CTGCATGACA	TTGAGAGCAA	AGGGCTGCAG	CCCACTCCCA	TGACTTTGGT	3180
GTTCCGGCTGC	CGATGCTCCC	AACTTGACCA	TCTCTACCGC	GACGAGGTGC	AGAACGCCCCA	3240
GCAGCGCGGG	GTGTTTGGCC	GAGTCCTCAC	CGCCTTCTCC	CGGGAACCTG	ACAACCCCAA	3300
GACCTACGTG	CAGGACATCC	TGAGGACGGA	GCTGGCTGCG	GAGGTGCACC	GCGTGCTGTG	3360
CCTCGAGCGG	GGCCACATGT	TTGTCTGCGG	CGATGTTACC	ATGGCAACCA	ACGTCCTGCA	3420
GACCGTGCAG	CGCATCCTGG	CGACGGAGGG	CGACATGGAG	CTGGACGAGG	CCGGCGACGT	3480
CATCGGCGTG	CTGCGGGATC	AGCAACGCTA	CCACGAAGAC	ATTTTCGGGC	TCACGCTGCG	3540
CACCCAGGAG	GTGACAAGCC	GCATACGCAC	CCAGAGCTTT	TCCTTGCAAG	AGCGTCAGTT	3600
GCGGGGCGCA	GTGCCCTGGG	CGTTCGACCC	TCCCGGCTCA	GACACCAACA	GCCCCTGAGA	3660
GCCGCCTGGC	TTTCCCTTCC	AGTTCGGGA	GAGCGGCTGC	CCGACTCAGG	TCCGCCCCGAC	3720
CAGGATCAGC	CCCGCTCCTC	CCCTCTTGAG	GTGGTGCCTT	CTCACATCTG	TCCAGAGGCT	3780
GCAAGGATTC	AGCATTATTC	CTCCAGGAAG	GAGCAAAACG	CCTCTTTTCC	CTCTCTAGGC	3840
CTGTTGCCTC	GGGCCTGGGT	CCGCCTTAAT	CTGGAAGGCC	CCTCCCAGCA	GCGGTACCCC	3900
AGGGCCTACT	GCCACCCGCT	TCCTGTTTCT	TAGTCCGAAT	GTTAGATTCC	TCTTGCCTCT	3960
CTCAGGAGTA	TCTTACCTGT	AAAGTCTAAT	CTCTAAATCA	AGTATTTATT	ATTGAAGATT	4020
TACCATAAGG	GACTGTGCCA	GATGTTAGGA	GAATACTAA	AGTGCCTACC	CCAGCTCAAA	4080
AAAAAAAAAA	AAAAAAAAAA					4099
